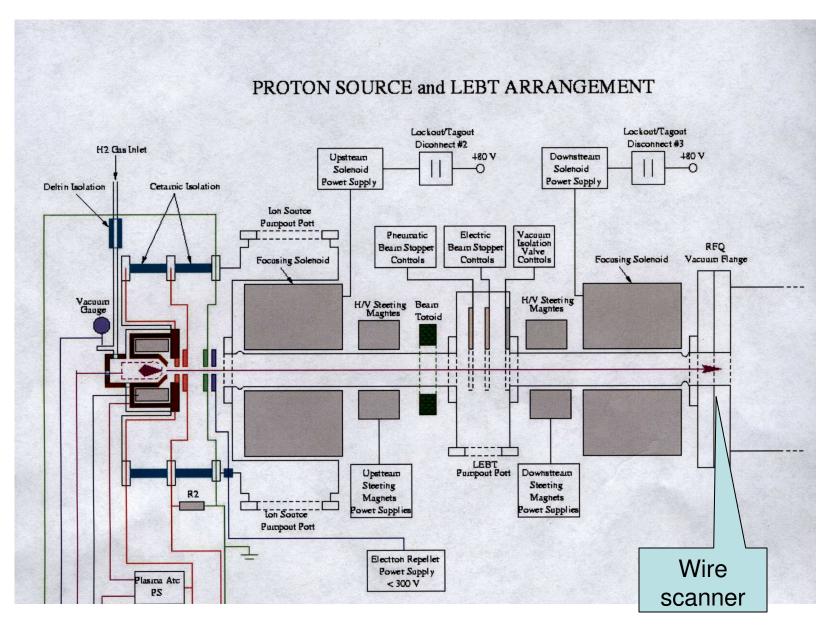
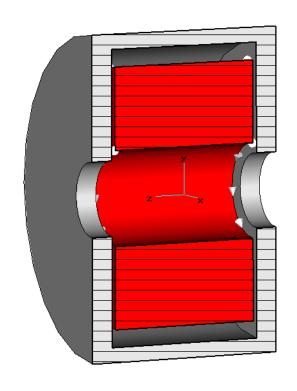
Test for emittance measurements with wire scanner

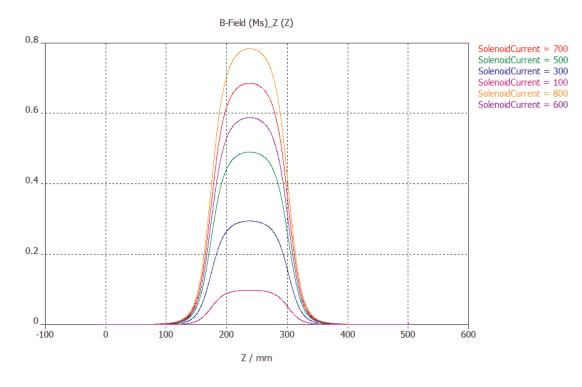
Gennady Romanov October 23, 2008



LEBT solenoid

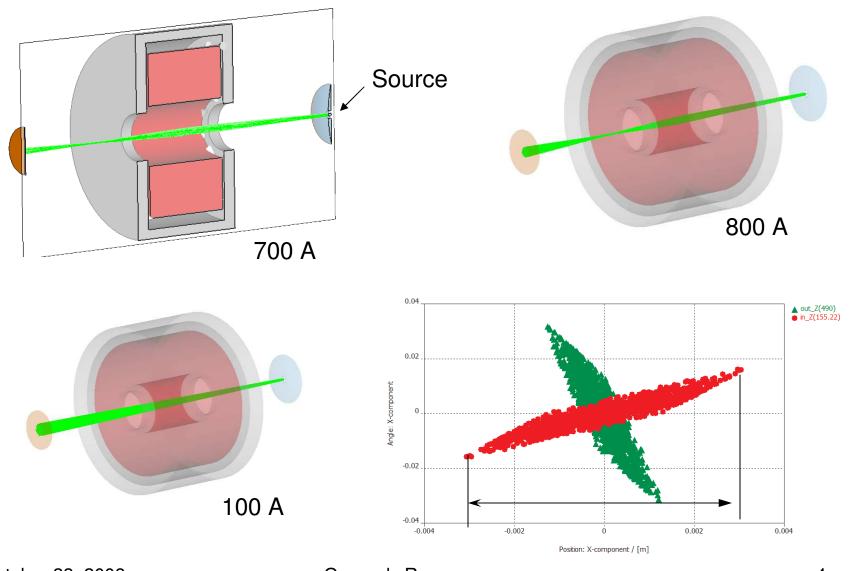


Steel AISI 1010



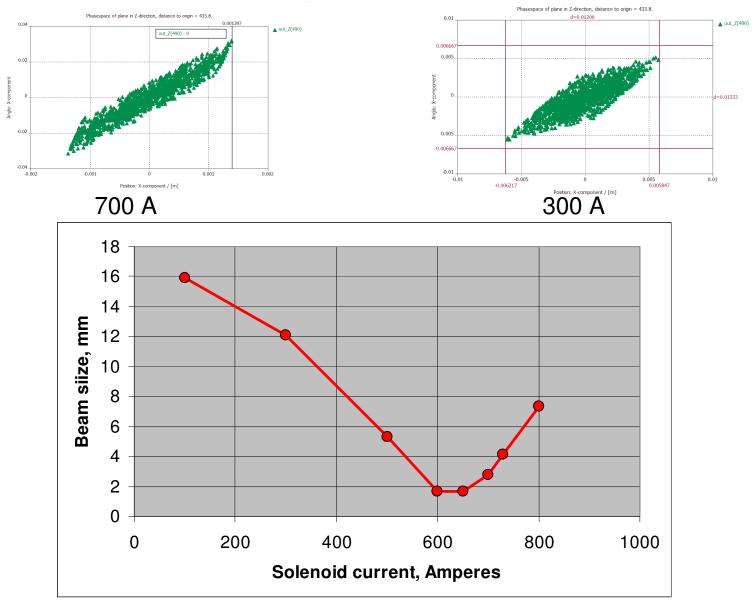
I=730 A, 100 turns, Bmax= 0.72 T = 7.2 kGs (6.9 kGs in experiment)

Test scheme. No current, no scattering over energies etc



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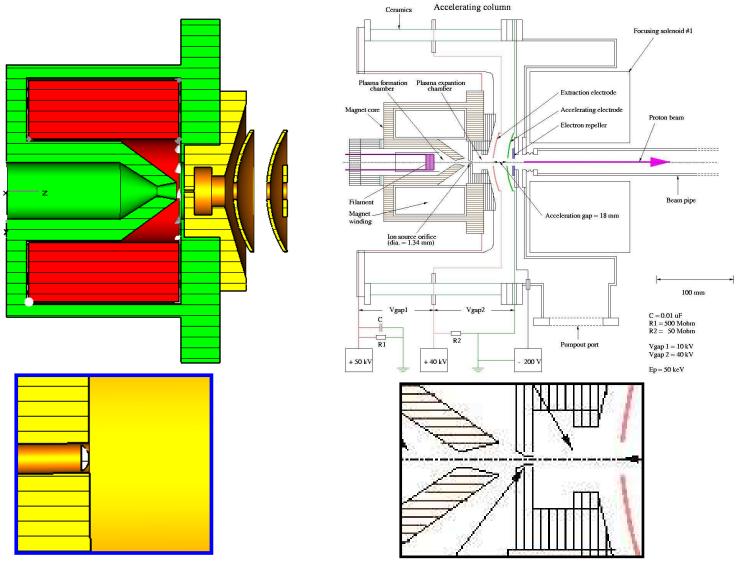


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5

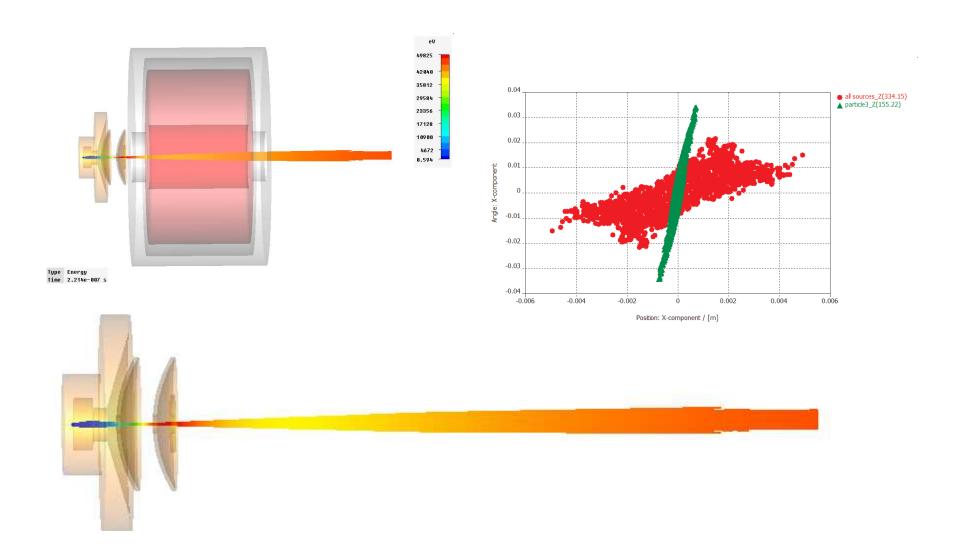
Simulation of ion source



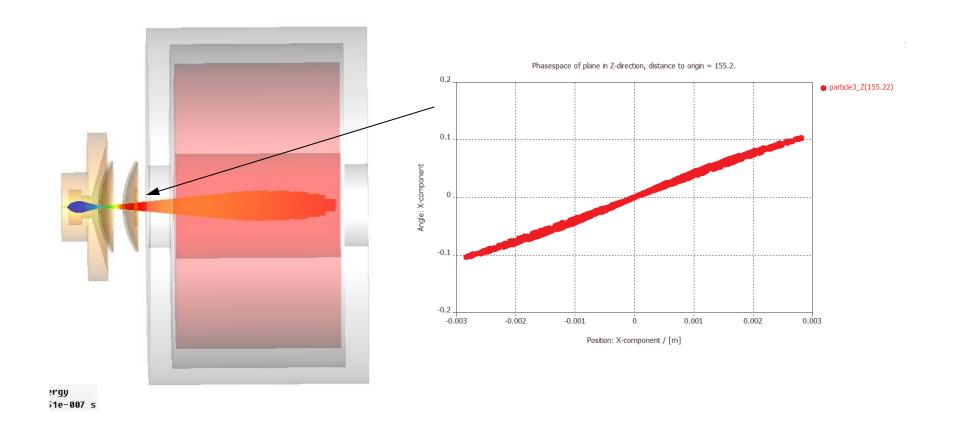
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Simulation of LEBT. I = 0.



Simulation of LEBT. I = 0.1 mA (density?)



Two TB of hard disk memory are needed to proceed